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Title: **EP1032884A1: APPARENT NETWORK INTERFACE FOR AND BETWEEN EMBEDDED AND HOST PROCESSORS**

Country: **EP** European Patent Office (EPO)  
Kind: **A1** Publ. of Application with search report

Inventor: **WILT, Michael, J.;**  
**BALLENTYNE, Todd Andrew;**

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Assignee: **Acuity Imaging, LLC**  
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Published / Filed: **Sept. 6, 2000 / Nov. 12, 1998**

Application Number: **EP1998000958588**

IPC Code: **G06F 13/00;**

Priority Number: **Nov. 26, 1997 US199700066583P**  
**Feb. 25, 1998 US1998000030411**

Abstract:

An apparent network interface (30) permits an embedded processor (20) to communicate to a host processor (2) using standard network communication mechanisms/protocols such as TCP/IP, NFS, FTP, HTTP, etc. The web server protocol HTTP is particularly useful because it permits the embedded computer to publish a user interface for remote monitoring and remote control using a standard web browser application. The invention provides the host computer (10) with an apparent network interface (30) that appears to be a standard network device, such as an Ethernet interface card. This apparent network interface (30) communicates directly with the embedded processor (20) which appears to be a device on the apparent network. Significant cost savings and performance enhancements are realized by implementing the communication directly over the host computer's peripheral bus (6) rather than using standard network hardware such as Ethernet hardware.

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Attorney, Agent or Firm: **Copp, David Christopher ;**

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Legal Status:

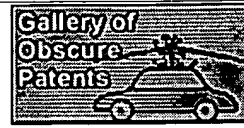
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